

Oroville Dam – USACE Involvement



Outline

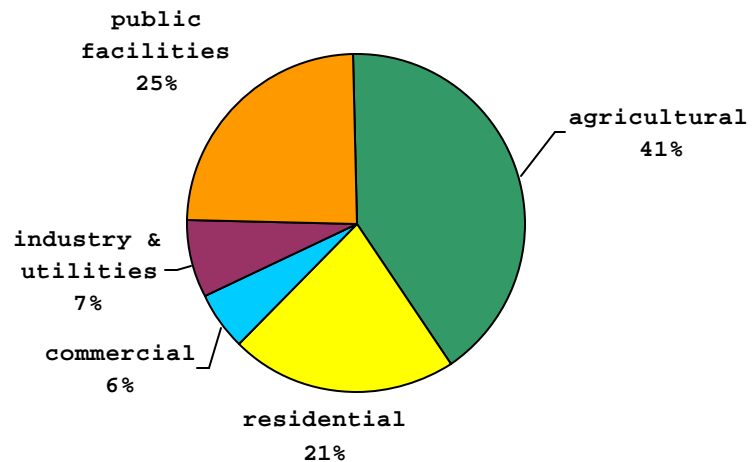
- ❶ Historic Floods
- ❷ Congressional Authorization & Federal Capital Contributions
- ❸ USACE Flood Operating Regulations & Water Control Manual

Historic Flooding

Confined Peak Flows (in thousand cfs)					
Flood	Feather abv Yuba	Yuba at mouth	Feather blw Yuba	Bear R	Feather blw Bear
Mar 1907	200	105	300	28	325
Jan 1909	160	115	255	30	255
Mar 1928	150	90	225	--	240
Dec 1937	155	95	240	17	220
Dec 1955	180	155	325	48	350
Dec 1964	158	180	287	13	281
Feb 1986	150	111	--	48	--
Jan 1997	160	161	315	35	--

Historic Flooding

1955 Flood Damages



Acres Flooded = 100,200

Total Damages = \$56.6 million

Preventable Damages = \$ 52.7 million

Congressional Authorization

Flood Control Act of 1944 –

“Hereafter it shall be the duty of the Secretary of War to prescribe regulations for the use of storage allocated for flood control or navigation at all reservoirs constructed wholly or in part with Federal funds provided on the basis of such purposes, and the operation of any such project shall be in accordance with such regulations.”

Congressional Authorization

- **Authorized by the Flood Control Act of 1958 (Public Law 85-500, 3 July 1958, 85th Congress, 2nd Session)**
- **Approved by President on 10 January 1962**
- **Federal Government contribution– 22% (\$ 66 million) of construction cost**
- **Federal cost not to exceed \$85 million**

Oroville Flood Control Diagram

Effective date: 13 Sept 1971

